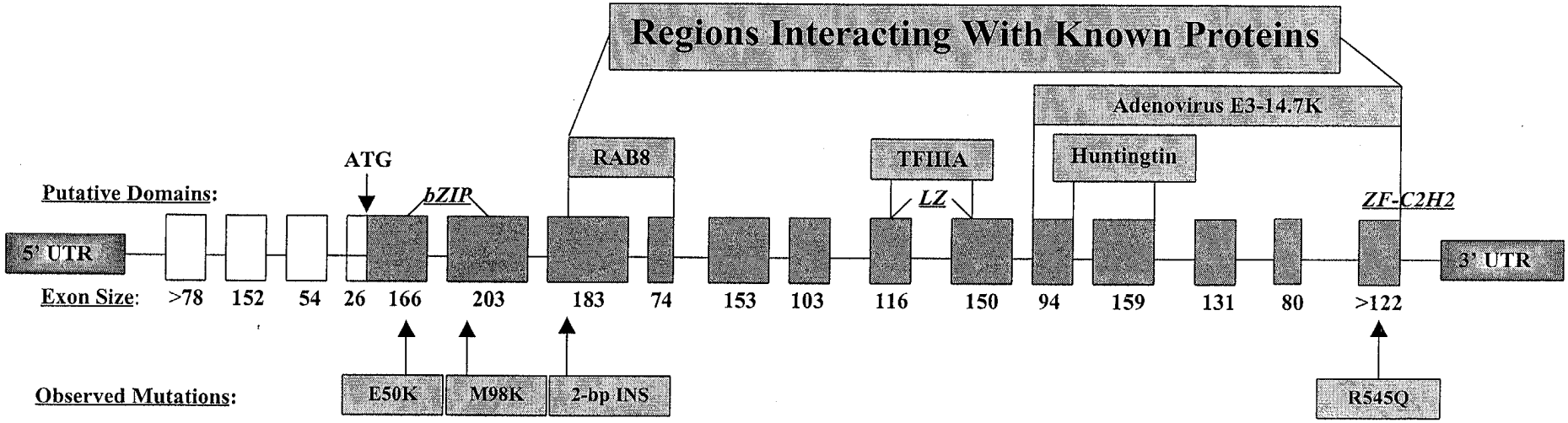
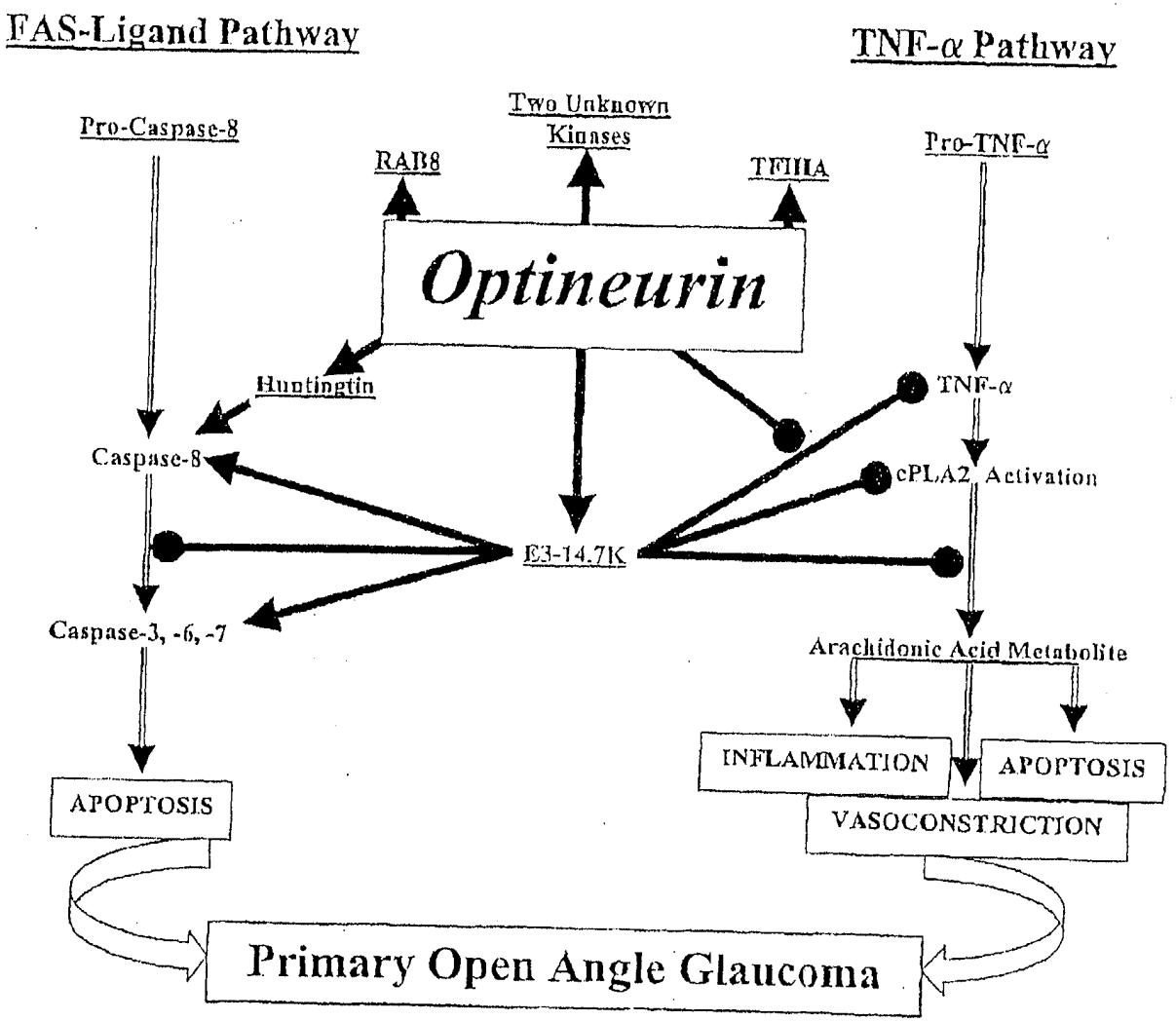
Figure 1





Rezaie *et al*

FIGURE 2

1
gtacacctag aagtggaatt gctgggtcat atcataactc tctgtttaac

51
tttccaagga actcatcctc ggaatatttg gaaccagtga tgaactgaat

IKRS
PCAT
AP1F
OCTP

101
caaactaaag ctgagacaaa gtccagacca aggtcaacca tagggcagat

BARB
HNF4
RORA
AP4R
AP1F
SF1F
SMAD

151
PERO/PPAR
gattcatgca gcgaccacac cagtggcctc acaggagcag gggcacaccc

PIT1
HAML
AP1F
MINI

201
tttgctgcag cagtccccaa cattttgac accaggaact ggtttcatgg

251
aagacaattt ttccatggat ggtggtgggt gggggggtgg ttttgggatg

301
aaatgggtcc acctcagatc atcaggcatt agagtctcat aagaagcacg

351
caacctagat cccttgcatg ttctgttgac aatagggttc Acgctcctat

401
gaaaatctaa tgcagctgct gatctgacaa gaggcggagc ttaggccata

Figure 3

451
atgctcaccc acccgttgct cacctcctgc tgttcggtct agttcctgag

501
aggccacagg ccagtactgg ttcaccaccc ggggtttggg gacccctgct

HNF4

551
ttattggaca taattattag gtcgtgttct ttttggtggt gtttgtacag

ROPA NKXH MEF2

ECAT

HOXF

PCAT

GREF

HMYO

601
ctctattgag gtataatcca catgccataa aattcacccc atttgtaaat

MEF2

651
gtatgattca tggctttcaa ttacacttaa aaagttgtaa Aaccatcatt

701
acaattcaAa tttagtatat ttccatcatc ccccaaaaat cccctcgagt

751
tcctttgcag ttcaaagcca cccccaattt caggcaacta ctggtctgat

801
ttctgtcttt ttctactttc cttttctgga catttaatgt atatggagtc

Figure 3 (cont.)

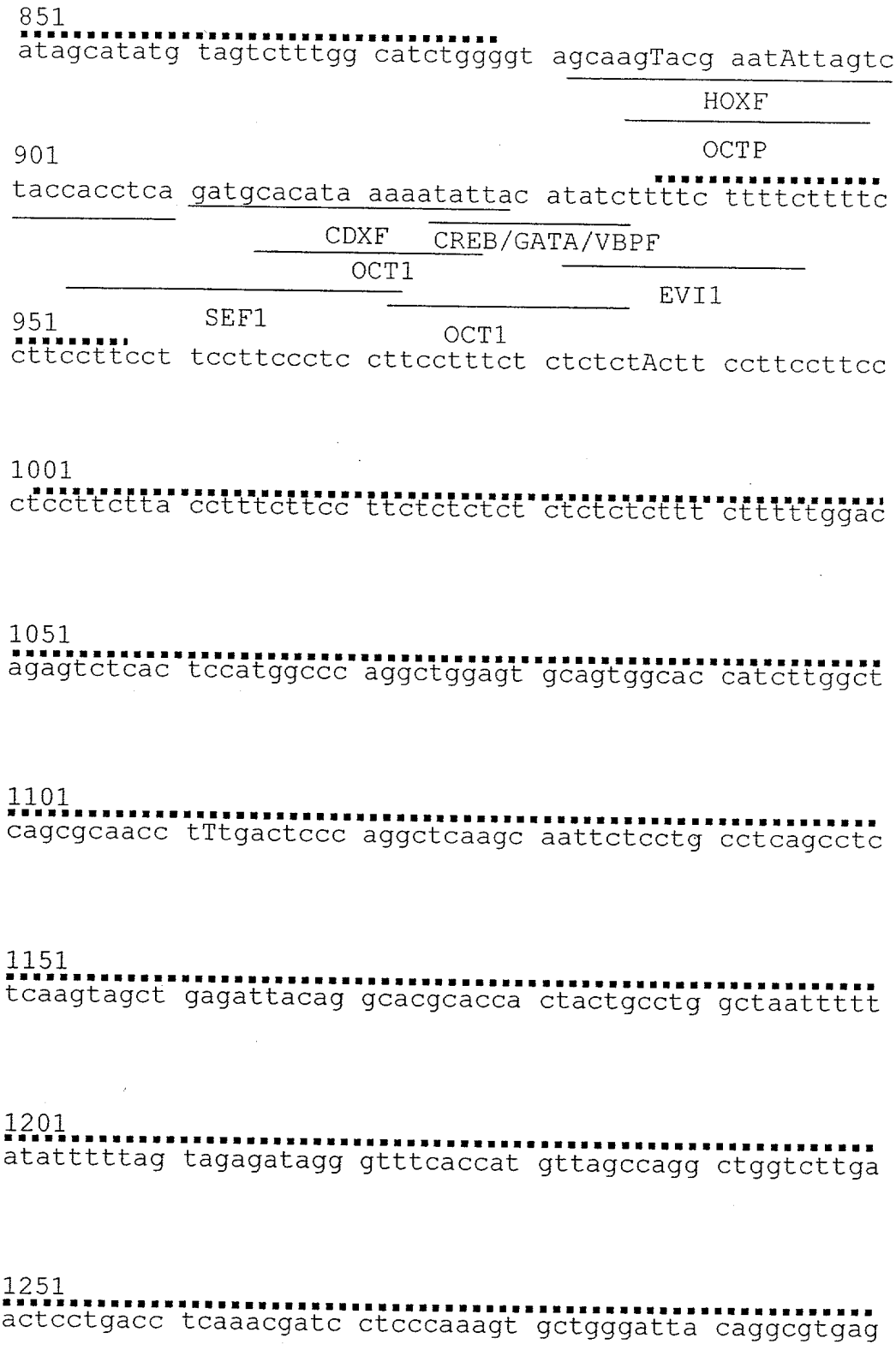


Figure 3 (cont.)

1301

ccaccgccct gggcctcttt actttcttta aacccagttc tgcaggggtg

TBPF

TBPF

MEF2

1351

tacggaaacc tattttcggg caccactggg gtctggagag gggaggtctc

XBBF E2FF LYMF MZF1

AREB

1401

cttccctacg gccatgcaaa actccaggag ggcttttggt acccattgaa

OCT1

PAX5

ROPA

VBPF

1451

gtaagggcca tttattttc agcccagcaa cattgccact gataccctca

ROPA XBBF HOXF

/CREB

1501

ttatCaaatg gttcttctag ggaacagtct ctgctgtttc caatgacaag

NFAT

GATA IKRS AREB

ECAT

1551

cctgggcagc agaatctgcg ggaggttccc aaagtccagt aggtgcatcc

NFKB

CEBP

IKRS

XSEC

1601

caagaGcttg ctgtctgtct gggtgctgca gggactgagg cttgagtcct

SMAD PAX6

CP2F ARP1

1651

tgatgctcat aagaccacca tcccactcct cctcccaatc tgggggcggg

RPAD ECAT EGRF

SRFF

SP1

Figure 3 (cont.)

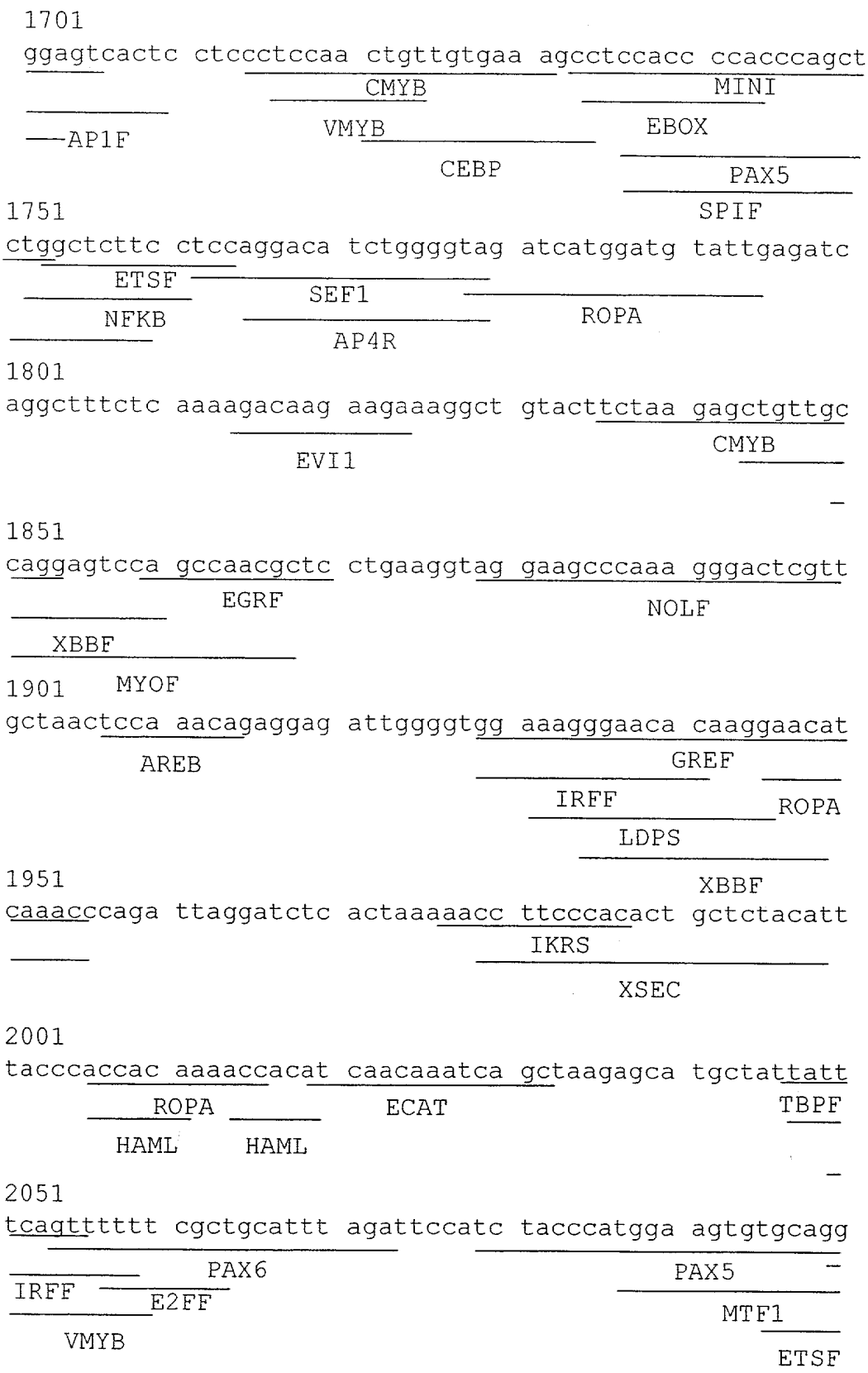


Figure 3 (cont.)

2101
aagatggagt caccaaacgg gatgatccag gctaagaaac agaaccggct
VMYB AREB
ZFIA ETSF
APIF NFKB
2151
ctaacacaag caacagcaac aaacaccatg agccaggcgt tcttctaggt
ZFIA
XBBF
2201 CMYB
gttgaagacg tatttcctct ttaatcttct cagcatcctt aggtgagggc

2251
tgtgggtcca gaggccttat ctaaaatttt tgggtggctg ggcaccgtgg

2301
ctcacacatg taatcccagc actttggaag gccgaggcag gtggatcacc

2351
cgaggtcagg agttcaatac caggctggtc aacatggcga aacctcatca

2401
atacGaaaaa tgcaaaaatt agcttggtgt ggtggcacac gcctgtaatc

2451
ccagccactt gggaggctga ggcaggagaa tcactcaaac ccaggaggtg

2501
gagattgcag tgagctgaga ttatgccact gcactccagc ctgggcaaca

2551
gagtgagact ccacctcaaa aaataaaata aaacctttgg ggcaagctct

Figure 3 (cont.)

2601
gctttAgagt ccagaattct ggggattttc aaaaggctat tcaataaatg

2651
ggatttatat cacataacac cctgacactg tctgacgcag ttctcctatc

2701
aactattcga ttttccttca caaaacaaat ttaaaaatca catcaaggga

2751
tctaaataaa gactgtaaat agctttccat cagttgggtc tggtcagaaa

2801
agaggtttgg tccttagaac tttctggatt tgggagtgta ctatactccc
HNF4
MYT1
HEAT

2851
cattttacag ataaagggaa tgaggaaggg taagatgaag taacttggtc

2901
aaggtcctac agctaagaag tggttgtcgg gggagtgtgt gtgcatgtgt
LDPS
EBOX

2951
gtgtgcagtg cttcagggca ccccccaccc cgaccccacc actgagagca
NFKB
ARP1
RREB
EGRF
PCAT
SP1

3001
MINI/REBV
aggaatcagg agaaaacaac tttgactgct ttctgtacca gaaactcacc
MYT1
IRFF

Figure 3 (cont.)

3051
tcgagcctcc cacaccaaag ccatgggcag cttgtgggtg accttcttct

EGRF RARF RORA EVI1

3101
cttggctctg agtttcactg atgctcattt taattcactt tcatagtgtt

OCT1 OCTB RBIT NKXH

3151
gttttgttct cgtttttgtt tttgcttgag acaaagtctc cctctcaccc

3201
aagctggagt gcagtgctgc aatcacagct cattgcagcc tctccctcct

3251
gggctcaagc gatcctcctg ccttgacctc ccaaagtgct gggattacag

3301
gtgtgagcca ccGtgcccca cctatagggt tttaaacagt aaaaggagcc

FKHD TBPF MEF2

3351
tagtgaagta cgacttaccg caggcacccc ttacaggccc cgggggacc

CEBP NOLF AP2F MZF1

3401
cttttctgcc gatcccaggg tacagctgtg acaccgtctt ttctgcctgg

HEN1 AP4R

Figure 3 (cont.)

3451

attatcccag tagataaaca aaaattagag atcgtcattc catttctctc

NFKB FKHD CREB

GATA SORY PAX3 PAX1

GATA TEAF

3501

tgtatatatt tttccaagcc cttttcatga atgatcagtt atttcctgca

NFAT OCT1 VMYB

BARB PIT1 ETSF

AP1F

3551

ctgaTttttt ttttttttt ttttttttga gacggagtct cactctgtca

3601

cccaggctgg agtgcagtgg catgAtctCg gctcgctgca agctctgcct

3651

cccgggttca agcgattctt ctgccttagc ctcccgagta gctgggacta

3701

caggagagta ccatcatgcc cggctaattt ttgtattttt agtagagaca

3751

ggctttcacc atattggcca ggctggtctc gaactccgga ccttgcgatc

3801

tgcctgcctt ggcctcccaa agtgctggga ttacaggcgt gagccaccgc

Figure 3 (cont.)

3851
gcctggccct cctgcactga tataaaaaga aTttttttaa attctctatt

GATA MEF2
EVI1
MEF2
TBPF
ROPA

3901
tctccccact cccaccccca ggctcactcc ttataaagca gcctctagcc

EBOX AP2F TBPF
MZF1
MINI
RREB
WTI

3951
tcatctgccc ctcctacacc acaccaactc gagggccCgg aattgggtct

HAML ETSF
LYMF

4001
ggggcagtcg ctgacttgct tgcttctctg ccctgctctt ggggttagcc

PAX5
LTUP

4051
tcaggggcag ggttgagagt caggcttggc caggcagcag gaggtccaga

PAX5 MYOD SMAD
PCAT ETSF

4101
cagcgaagca gaatccttcg gagataccag gagagggcgc atctgccttt

GATA EGRF
HMTB
NFAT

4151
ttcctgtttc agattaggtt ttgttgttgt tgttttgttt tttttctctc

PERO SORY
GKLF AREB FKHD

4201
cctctctccc tccctccctc tctccctccc tctctccctc tctccgtccc

Figure 3 (cont.)

4251
tccctctctc tctctctccc cctccctcct tccctccctc ccatccctgc

4301
agcgctaccc gggtactctg gatgcacata gggcggctct cgctcctacc
OCT1 EVI1

4351
ttgtcatcct gctgtctaat ccgggggcag cttccctcct ccacaccagc
TCFF MINI

4401
agaggctatt cttcagcaac aagaatagcc gagcctattc gtccgcaaca
NRSF
CLOX

4451
aGagcccaag aagcatcctg caggctttct gctttttgag tgtattttaa
PCAT MEF2
BARB TBPF

4501
agcaaaaacg agtggaaagc tatgtatgct cagttaacta tgtctagatg
TBPF MYT1 GATA
FKHD

4551
ttaacctttt ttcaaaaaac acagatggag gcctccctcc gaggatgcct
AP4R
MYT1

4601
ggcattctcc tctttctgtg ggcggcagcg accccctgcg gctccagcct
EGRF ZFIA

4651
ccactacggg atctgcggga agacacgggg aagacgaact ccgcacactg
CREB
CEBP
E2FF
EBOX

Figure 3 (cont.)

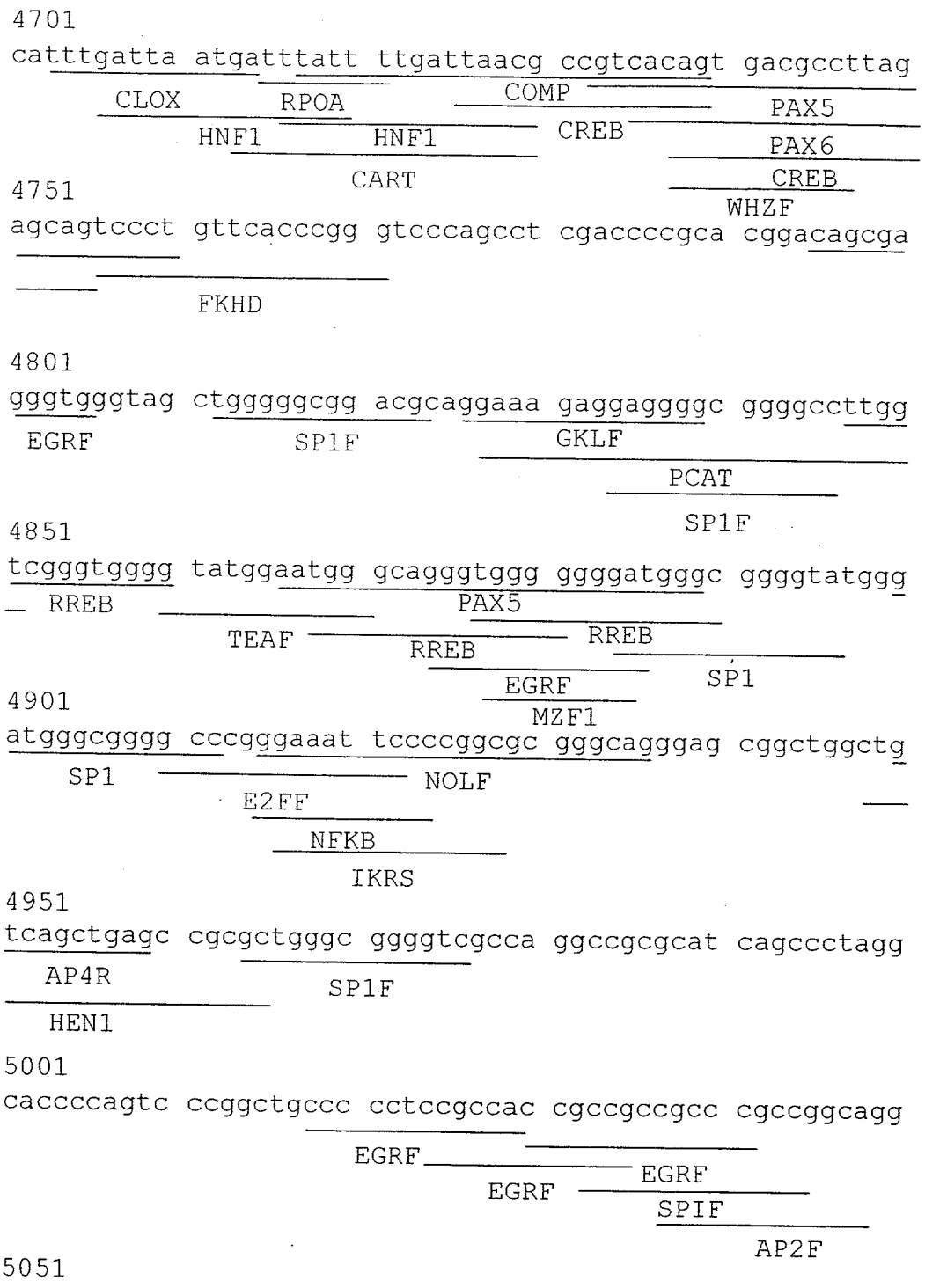


Figure 3 (cont.)